



MINISTRY OF ENERGY AND PETROLEUM

# REPORT TO THE NATIONAL ASSEMBLY ON KEY PROJECTS

April, 2016

## KEY PRIORITY PROJECTS COVERED

1. Electrification of all public primary schools in Kenya
2. National Public Lighting Program
3. Last Mile Connectivity Project (LMCP)

## Electrification of Primary Schools

Upon taking over the leadership of this country in April 2013, the Jubilee Government undertook to electrify all public primary schools within a period of 2 years. This was also in preparation for the Digital Literacy Program. The status of electrification, through both grid and solar installations, is as indicated below:

- A total of 23,082 public primary schools have been identified

No.	Status of Electrification	No. of Primary Schools	%
1.	Electrified	22,587	98%
	a.) Extension	18,208	
	b.) Solar	4,379	
2.	Major works completed awaiting commissioning	291	1%
3.	Work in Progress	200	1%
	<b>Total</b>	<b>23,082</b>	

- Cost: Ksh.29 billion

### CHALLENGES

#### (a) Lack of Data on Public Primary Schools

- Initial data obtained from the Ministry of Education around May/June 2013 indicated a total of about 19,000 public schools; this was updated by REA to 21,222 and this was the target at the beginning of the project in July 2013.

- REA has since then continued to identify additional schools through various means and the total number now is 23,082; i.e. an increase by close to 2,000 schools over the original target.
- In some areas new schools are deliberately being established purposely to get electricity.

**(b) Devolvement of Funds in 2013/14FY**

- In 2013/14 financial year the bulk of rural electrification funds had originally been devolved: out of a funding level of about Ksh.10billion REA had been allocated Ksh.3.4billion while Ksh.7.2billion was devolved to the counties.
- It was only in the supplementary budget when additional Ksh.5.8 billion was allocated to REA around January 2014; i.e. after six (6) months. This resulted in delay in procurement of goods and services for the project for the additional amount.
- Consequently, less work was accomplished in 2013/14FY than anticipated; 2,619 schools were electrified relative to a target of 5,000.

**(c) Delay in disbursement of Exchequer funds (April - October 2015)**

- REA was unable to pay suppliers and contractors during this period; this led to stoppage of work and delivery of materials till around November 2015.

## National Public Lighting Project

The National public lighting project is aimed at stimulating a 24-hour economy in line with the Government's Vision, grow power demand through 24-hour economy and contribute to improvement in security and spur economic growth.

The project targets industrial locations, residential areas, commercial centres, roads, railway and other public transport facilities.

Initially focused on the Nairobi City, the project has since been extended to Mombasa, Kisumu, Nyeri, Eldoret and Iten; and will further be extended to other major towns in all the 47 Counties. 52 towns have currently been identified to be rolled out in this 2<sup>nd</sup> phase.

The Government gave a commitment of 7.6B KES in total to go into this program, whose progress is indicated below:

### TOWNS

No.	County	Scheme	Status
1.	Kilifi	Malindi – Additional Works	All the 255 poles erected. Stringing in progress & LEDs installation in progress. 85 % complete
2.	Kilifi	Mtwapa – Additional works	200 poles erected. 92% complete
3.	Nyeri	Kiamariga	Completed; 60 LEDs installed
4.	Laikipia	Majengo&Likii Slums- Nanyuki	Completed; 110 LEDs installed

## 52 TOWN IMPLEMENTATION STATUS

The work comprised of the following;

### Other Towns with works started in progress/earmarked for March 2016

<u>No.</u>	<u>City/Town</u>	<u>Expenditure Ksh (m)</u>	<u>Remarks</u>
1	Mtwapa	36	100% Complete
2	Kiambu	50	91%
3	Ruiru	16	98%
4.	Garissa	81	98%
5.	Thika	52	In progress at 25%
6.	Chuka	23	Complete 100%
7.	Isiolo	18	In progress at 95%
8.	Embu	85	In progress at 69%
9.	Kericho	46	To start on 5/04/2016
10.	Bomet	27	To start on 5/04/2016

PROJECT IMPLIMENTATION PLAN FOR ALL THE 52 TOWNS:

No	Town	Areas to be covered	Expected start dates
1.	Nairobi	County roads and estates not covered by earlier funding.	in progress
2.	Mombasa	Mombasa Island & Mainland Roads & Estates	in progress
3.	Kisumu	Kisumu Town & Maseno Univ. complex	in progress
4.	Uasin Gishu	Eldoret Town & incoming Rds	Feb-16
5.	Kajiado	Ongata Rongai/Kiserian	Aug-16
6.	Kajiado	Ngong/Matasia	Oct-16
7.	Kajiado	Kitengela	Jun-16
8.	Kajiado	Kajiado Town	Apr-16
9.	Kiambu	Kiambu Town	Feb-16
10.	Kiambu	Thika Town	Feb-16
11.	Kiambu	Ruiru Town	Feb-16
12.	Nakuru	Nakuru Town	Jul-16
13.	Nakuru	Naivasha Town	Mar-16
14.	Nakuru	Gilgil Town/Kikopecy	Mar-16
15.	Machakos	Machakos Town& Major incoming Rds	May-16
16.	Machakos	Athi River Town	May-16

17.	Kakamega	Kakamega Town	Mar-16
18.	Kakamega	Mumias Town	Mar-16
19.	Kisii	Kisii Town	Apr-16
20.	Narok	Narok	Apr-16
21.	Garissa	Garissa Town/University	Feb-16
22.	Moyale	Moyale Town	Jun-16
23.	Mandera	Mandera Town	Oct-16
24.	Marsabit	Marsabit Town	May-16
25.	Wajir	Wajir Town	Jun-16
26.	Isiolo	Isiolo Town	Feb-16
27.	Kitui	Kitui Town	Sep-16
28.	Meru	Meru Town/ Nkubu	Apr-16
29.	Meru	Maua Town	Apr-16
30.	Tharaka Nithi	Chuka Town& University	Feb-16
31.	Muranga	Muranga Town	Feb-16
32.	Laikipia	Nanyuki Town	Jul-16
33.	Laikipia	Nyahururu Town	Jul-16
34.	Embu	Embu Town	Mar-16

35.	Kirinyaga	Kerugoya Town	Apr-16
36.	Kirinyaga	Kutus Town	Mar-16
37.	Siaya	Siaya Town	Apr-16
38.	Siaya	Bondo Town/ University	Apr-16
39.	Busia	Busia Town	Apr-16
40.	Bungoma	Bungoma Town	Jul-16
41.	Kericho	Kericho Town	Feb-16
42.	Bomet	Bomet Town	Feb-16
43.	Turkana	Lodwar Town	Mar-16
44.	Trans Nzoia	Kitale Town	Aug-16
45.	Kilifi	Kilifi Town	Jul-16
46.	Kilifi	Mtwapa Town	in progress
47.	Kilifi	Mariakani Town	Feb-16
48.	Taita Taveta	Voi Town	Mar-16
49.	Lamu	Lamu Island/Mokowe	Jul-16
50.	Lamu	Mpeketoni	Jul-16
51.	Homa Bay	Homa Bay Town	Sep-16
52.	Migori	Migori Town	Aug-16

## **The Last Mile Connectivity Project (LMCP)**

The Last Mile Connectivity Project (LMCP) is a combined Government of Kenya and donor funded program aimed at increasing electricity access to Kenyans notably in rural and peri-urban areas, accelerating economic growth at the micro-economic level and improving quality of lives. The government has appointed KPLC as the implementing agency. The program is broken down into the following phases:

### **A. AFRICAN DEVELOPMENT BANK (AfDB) FUNDED LMCP**

The project cost for this first phase will be USD 150 Million (Kshs.13.5 billion), with AfDB contributing 87 % of the amount and GoK, 13%.

The phase targets to connect approximately 314,200 households providing electricity access to an additional 1.5 million Kenyans by maximizing 5,320 existing distribution transformers. This project is being implemented in a period of 18 months and is currently in progress as detailed here under.

### **B. AfDB ADDITIONAL FUNDING LMCP**

- Negotiations for additional USD 150 Million (Kshs.15 billion) funding by African Development Bank have been concluded between the bank and GoK and awaiting the bank's Board approval.
- We are targeting to maximize approximately 5,320 distribution transformers which will bring on board about 385,700 new customers in all the 47 Counties thereby increasing access by a further 1.9 million Kenyans

### **C. WORLD BANK FUNDED LMCP**

- The World Bank through International Development Association (IDA) has provided the GoK financing to the tune of USD150M (Kshs.15 billion) towards the cost of Electrification program under Kenya Electricity Modernization Project (KEMP) targeting electrification of Peri Urban areas.
- A total of 312,500 customers will be connected under this component thereby increasing access by a further 1.5 million Kenyans.
- Procurement of materials and services is in progress.

#### D. AFD (FRENCH) AND EUROPEAN UNION (EU) FUNDED LMCP

- AFD together with European Union aims at making available to the Government of Kenya a total amount of 120 MEUR (Kshs.12 billion) for the implementation of the Last Mile Connectivity project.
- A total of 230,000 customers will be connected under this component thereby increasing access by a further 1.2 million Kenyans.
- Both AFD and EU Boards have given their approved and we are currently preparing the bidding documents as GoK signs the loans documents.

#### E. EUROPEAN INVESTMENT BANK (EIB) FUNDED LMCP

- The European Investment Bank has proposed to support the Last Mile Connectivity project by providing financing upto a maximum of Euro 70 Million.
- A total of 149,250 customers will be connected under this component thereby increasing access by a further 750,000 Kenyans.
- EIB is planning to present the request to their Board's for approval by mid this year.

#### Current Status

##### (i) Works Contractors and Prepaid Meters

- Tendering process was completed and AfDB gave No Objection to award the winning bidders the 11 Lots comprising of 10 Lots for Works Contractors and 1 Lot for Prepaid Meters on 13th November 2015 and Contract signing on **10<sup>th</sup> December, 2015**.
- 50% of contractors have been paid advance payment and for the rest is in advanced stage.
- Site hand over commenced on **8<sup>th</sup> February, 2016** and is currently on-going. Design work has also commenced as well as procurement of materials.
- All construction works are scheduled to be completed by **30<sup>th</sup> April, 2017**

## (ii) Supervision and Management Consultant

M/S Feedback Infra Pvt Ltd and Maknes Consulting Engineers Ltd a joint venture was awarded the tender for Supervision and Management Consultant and the contract was signed on 27<sup>th</sup> October 2015. The consultant has already reported and is assisting with project management and supervision.

## (iii) Works Contractors and Prepaid Meters

- Tendering process was completed and AfDB gave No Objection to award contracts to the winning bidders comprising of 10 Lots for Works and 1 Lot for supply of Prepaid Meters on 13<sup>th</sup> November 2015.
- Successful contract clarifications were held for all Lots leading to contract signing on **10<sup>th</sup> December, 2015**.
- Kick off meetings were held successfully and all were completed on **3<sup>rd</sup> February, 2016**.
- Site hand over commenced on **8<sup>th</sup> February, 2016** and exercise was completed on **10<sup>th</sup> March, 2016**. KPLC Regional staff were all involved in the exercise so as to support the contractors as necessary.
- Design work is in progress and materials are being procured.
- Initial construction work of electing poles started on **4<sup>th</sup> April, 2016** as rest of materials are being manufactured.
- All construction works are scheduled to be completed by **30<sup>th</sup> April, 2017**.

The table shows details of the 12 contracts of the project which include 10 Lots for 1 Lot for Prepaid meters and the project supervision consultant.

LOT NO.	CONTRACTORS NAME	EQUIVALENT AMOUNT IN KES	Nationality	COUNTIES PER LOT
1	Gammon India Limited	2,515,190,252.26	Indian	Elgeyo Marakwet, Baringo, Nandi, Uasin Gishu, Trans Nzoia, Turkana & West Pokot
2	AEE Power	2,376,920,219.59	Spanish	Kisumu, Siaya, Vihiga, Busia, Bungoma & Kakamega
3	Rwathia Distributors Ltd, Kiewa Group Ltd and Viatch Services Ltd Consortium	1,706,758,972.13	Kenyan	Homa Bay, Kisii, Migori, Nyamira, Bomet & Kericho
4	AEE Power	1,574,587,086.89	Spanish	Narok, Nakuru, Samburu & Nyandarua
5	Etrade Company Limited	1,132,843,148.41	Kenyan	Nairobi & Kiambu
6	Polyphase Systems Limited	406,177,169.99	Kenyan	Mandera, Marsabit & Wajir
7	Neo Electric Company Limited	1,720,885,769.27	Kenyan	Embu, Kirinyaga, Laikipia, Nyeri, Muranga, Meru, Tharaka Nithi & Isiolo
8	Metsec Cables Ltd & Empower Installation Contractors Ltd	1,405,276,589.05	Kenyan	Kajiado, Makueni & Machakos
9	Angelique International Ltd	735,678,957.32	Indian	Kilifi, Kwale, Mombasa & Taita Taveta
10	Etrade Company Limited	776,997,263.79	Kenyan	Kitui, Garissa, Lamu & Tana River
11	Shenzhen Inhemeter	686,691,009.04	Chinese	For prepaid meters
12	Feedback Infra/Maknes	153,948,690.73	Indian/ Kenyan	For Supervision and Management Consultant
		15,191,955,128.47	55% Local	

## 2. AfDB ADDITIONAL FUNDING LMCP

- Negotiation between the bank and GoK for additional USD 150 Million (Kshs.15 billion) funding by African Development Bank have been concluded and is awaiting the bank's Board approval.
- The additional financing from the ADB window will cover 87% while the Government of Kenya will cover 13% of the USD 150 Million.
- This phase of the project will involve KPLC procuring Major items and procuring contractors for works and minor items.
- We are targeting to maximize approximately 5,320 distribution transformers which will bring on board about 385,700 new customers in all the 47 counties thereby increasing access by a further 1.9 million Kenyans

## 3. WORLD BANK FUNDED LMCP

- The World Bank through International Development Association (IDA) has provided the GoK financing to the tune of USD150M (Kshs.15 billion) towards the cost of Electrification program under Kenya Electricity Modernization Project (KEMP) targeting electrification of Peri Urban areas.
- The project involves Procurement of major materials & works which comprises;
  - a. Extension of Low Voltage network (240 and 415 volts) around selected existing distribution transformers,
  - b. Extension of short Medium Voltage (11 & 33 kV) lines and
  - c. Establishing of 1,000 additional distribution transformers.
- Local Component
- World Bank has given No Objection for Hiring of Designers, Procurement of Conductor & Cables and Procurement of wooden poles.
- A total of 312,500 customers will be connected under this component thereby increasing access by a further 1.5 million Kenyans.

## 4. AFD (FRENCH) AND EUROPEAN UNION (EU) FUNDED LMCP

- AFD together with European Union aims at making available to the Government of Kenya a total amount of 120 MEUR (Kshs.12 billion) for the implementation of the Last Mile Connectivity Project.
- Of this amount, 90 MEUR will be a concessional sovereign loan from the French Government and 30 MEUR will be a grant from European Union.
- This financing shall cover 32 counties previously covered by AFD's electrification projects.

- A total of 197,000 customers will be connected under this component thereby increasing access by a further 985,000 Kenyans.
- The AFD board approved its portion in December, 2015 and the European Union Board's approval was granted in January, 2016. Next step is the signing of the loan agreement which is expected in April 2016.

#### 5. EUROPEAN INVESTMENT BANK (EIB) FUNDED LMCP

- The European Investment Bank has proposed to support the Last Mile Connectivity Project by providing financing upto a maximum of Euro 70 Million.
- The funds from EIB will be co-financing the AFD/EU phase of LMCP in (D) above. EIB has a condition of funding upto a maximum of 50% of the total project funding. The Euro 60 Million translates to 33% of the total project cost of Euro 180 Million and therefore the Banks condition will be met.
- This financing shall cover the 32 counties as covered by AFD/EU as indicated above.
- A total of 115,680 customers will be connected under this component thereby increasing access by a further 580,000 Kenyans.
- EIB is scheduled to present the request to their Board's for approval by mid this year.

#### TRANSFORMER SELECTION CRITERIA FOR PHASE ONE

The following criteria were used in the selection of transformers to be maximized.

Government's policy to address equity in terms of reticulation and access will be the main guideline. Hence counties with low penetration will benefit the most.

The following steps were undertaken so as to arrive at the final list of beneficiaries;

- (i) Data collected from KPLC Regions indicated a potential to connect approximately 472,000 households within 600 metres of the company's existing 40,000 distribution transformers spread across the country.
- (ii) Based on an average of two spans of 50 metres each, 30m of service cable drop and 40 km return transport plus implementation by Labour and Transport contractors, an approximate cost to maximize all the transformers came to Kshs. 51 Billion. With a 10% provision to cater for the metering cost and contingency the total cost to connect 472,000 households will be about Kshs. 56 Billion.
- (iii) Considering the available budget(funding) of USD 150 Million (Kshs.13.5 billion), with AfDB and GoK contributing about 90 % and 10 % of this amount respectively, only a total of 5,320 transformers in the 47 counties would be covered.

- (iv) With this amount in mind, the following criterion was adopted to select which distribution transformers in each county will benefit from the fund. This was selected from the list submitted from the regions.

Table 1: Criteria for selecting distribution transformers to be maximized per county

Reachable Households in a County	Identified % Distribution Transformers to be covered in the County
0 - 999	100%
1,000 - 4,999	75%
5,000 - 9,999	40%
10,000 - 19,999	25%
≥ 20,000	10%

- (v) For those counties where not all transformers were selected, the criterion used was to pick transformers with the lowest connection cost per household. This was mostly dictated by population density and their location close to the existing electricity network.
- (vi) Furthermore, the number of transformers to be selected will be distributed across the various constituencies in a county. (*See Appendix I*), with preference to those serving public utilities such as schools, health centres.
- (vii) The distribution of the Transformers within a county to the respective constituencies will be based on the Government criterion for resource allocation for instance the Constituency Development Fund as the Project itself is a Government Initiative. (*See Appendix II*)
- (viii) It is worth noting that there a few constituencies with no distribution network and their allocation was redistributed to the other constituencies within the county. Also in some constituencies almost all customers within 600m of a transformer are already connected and the allocation was redistributed to other constituencies in the same county.

## CONCLUSION AND RECOMMENDATIONS

AfDB funding being the first phase of the project, most or all identified households will be covered under next phases of financing (project). Full Implementation of the various phases of the Last Mile Connectivity Project will go a long way in facilitating the government's objective of having 70% household connectivity by 2017 and universal access by 2020.

## APPENDIX I:

### BENEFICIARIES DISTRIBUTION FOR AfDB FUNDED LAST MILE CONNECTIVITY PROJECT

No	County	No of Constituencies	Region	Lot	Identified HH within 600m of TX (No.)	Est. Transformers to cover (No.)	Est. HH to be connected (No.)	Amount Per County
1	Turkana	6	North Rift	1	724	40	724	154,046,882.66
2	West Pokot	4	North Rift	1	865	117	865	446,735,959.71
3	Baringo	6	Central Rift	1	6,530	207	2,612	797,192,617.76
4	Elgeyo Marakwet	4	North Rift	1	5,145	80	2,058	288,837,904.99
5	Trans Nzoia	5	North Rift	1	8,481	98	3,392	377,414,862.51
6	Nandi	6	North Rift	1	11,877	111	2,969	423,628,927.31
7	Uasin Gishu	6	North Rift	1	23,842	93	2,384	354,307,830.12
8	Vihiga	5	West Kenya	2	2,503	121	1,877	335,739,981.02
9	Busia	7	West Kenya	2	6,345	80	2,538	241,497,179.33
10	Bungoma	9	West Kenya	2	11,959	143	2,990	421,147,520.05
11	Kakamega	12	West Kenya	2	14,405	169	3,601	527,170,671.95
12	Kisumu	7	West Kenya	2	18,691	200	4,673	591,962,598.11
13	Siaya	6	West Kenya	2	16,200	184	4,050	568,401,897.69
14	Homabay	8	West Kenya	3	4,650	98	3,488	293,106,024.09
15	Migori	8	West Kenya	3	5,835	124	2,334	357,589,349.39
16	Nyamira	4	West Kenya	3	4,635	166	1,854	486,555,999.99
17	Bomet	5	Central Rift	3	11,220	65	2,805	190,518,915.66
18	Kericho	6	West Kenya	3	10,410	124	2,603	348,796,168.67
19	Kisii	9	West Kenya	3	10,605	85	2,651	252,071,180.72
20	Samburu	3	Mt. Kenya	4	949	43	949	111,670,506.79
21	Narok	6	Central Rift	4	4,119	197	1,648	478,942,395.79
22	Nyandarua	5	Central Rift	4	5,915	168	2,366	421,866,358.98
23	Nakuru	11	Central Rift	4	19,811	309	4,953	766,804,146.62
24	Kiambu	12	North Eastern	5	80,148	315	8,015	793,669,909.78
25	Nairobi	17	Nairobi	5	69,328	195	6,933	486,442,847.93
26	Mandera	6	North Eastern	6	178	28	178	112,731,979.46
27	Marsabit	4	Mt. Kenya	6	862	59	862	205,333,248.30
28	Wajir	6	North Eastern	6	1,290	36	968	140,914,974.33
29	Isiolo	2	Mt. Kenya	7	464	22	464	74,487,036.55
30	Kirinyaga	4	Mt. Kenya	7	2,494	35		121,887,877.99

No	County	No of Constituencies	Region	Lot	Identified HH within 600m of TX (No.)	Est. Transformers to cover (No.)	Est. HH to be connected (No.)	Amount Per County
							1,871	
31	Laikipia	3	Mt. Kenya	7	3,401	119	2,551	402,907,152.23
32	Embu	4	Mt. Kenya	7	5,978	79	2,391	270,861,951.08
33	Murang'a	7	Mt. Kenya	7	6,561	93	2,624	311,491,243.74
34	Nyeri	6	Mt. Kenya	7	9,025	66	3,610	223,461,109.64
35	Tharaka Nithi	3	Mt. Kenya	7	6,424	65	2,570	223,461,109.64
36	Meru	9	Mt. Kenya	7	14,502	96	3,626	328,420,115.69
37	Kajiado	5	Nairobi West	8	8,765	169	3,506	507,307,505.13
38	Makueni	6	Nairobi South	8	9,150	214	3,660	636,385,746.07
39	Machakos	8	Nairobi South	8	14,976	148	3,744	444,269,294.43
40	Kilifi	7	Coast	9	4,863	76	3,647	253,248,954.98
41	Kwale	4	Coast	9	3,499	60	2,624	170,667,774.01
42	Mombasa	6	Coast	9	5,787	57	2,315	134,882,595.59
43	Taita Taveta	4	Coast	9	5,197	94	2,079	272,517,897.20
44	Garissa	6	North Eastern	10	465	76	465	271,149,192.20
45	Lamu	2	Coast	10	308	12	308	45,191,532.03
46	Tana River	3	Coast	10	363	29	363	100,066,963.79
47	Kitui	8	North Eastern	10	12,258	155	3,065	461,599,220.06
	<b>Grand Total</b>	<b>290</b>			<b>472,002</b>	<b>5,320</b>	<b>122,820</b>	<b>16,229,363,111.73 *</b>

Note HH – Households

\*The above amounts are actual based on the signed contracts and above the initial budget. KPLC is in the process of sourcing for additional amount.

## APPENDIX II: TRANSFORMER DISTRIBUTION PER CONSTITUENCY

County	Estimated Transformers to be Connected	Constituency	CDF DISTRIBUTION IN KES	Transformer Distribution Per Constituency	
BARINGO	207	BARINGO NORTH	107,698,794	36	
		BARINGO CENTRAL	100,022,188	33	
		BARINGO SOUTH	101,554,917	34	
		ELDAMA RAVINE	96,609,709	32	
		MOGOTIO	94,891,553	31	
		TIATY	125,857,628	41	
				626,634,789	207
BOMET	65	BOMET CENTRAL	109,447,189	12	
		BOMET EAST	112,764,510	13	
		CHEPALUNGU	126,794,246	14	
		KONOIN	110,932,946	12	
		SOTIK	120,682,749	14	
				580,621,640	65
BUNGOMA	143	BUMULA	122,876,196	17	
		KABUCHAI	114,365,633	16	
		KANDUYI	130,895,711	18	
		KIMILILI	97,006,533	13	
		MT.ELGON	127,094,118	18	
		SIRISIA	107,308,794	15	
		TONGAREN	121,526,910	17	
		WEBUYE EAST	102,442,954	14	
		WEBUYE WEST	110,957,173	15	
				1,034,474,022	143
BUSIA	80	BUDALANGI	102,244,621	11	
		BUTULA	117,998,526	12	
		FUNYULA	108,830,012	11	
		MATAYOS	110,883,290	11	
		NAMBALE	107,844,002	11	
		TESO NORTH	112,868,928	12	
		TESO SOUTH	118,744,218	12	
				779,413,597	80
ELGEYO/MARAKWET	80	KEIYO NORTH	94,118,870	18	
		KEIYO SOUTH	107,592,002	21	
		MARAKWET EAST	105,305,185	20	
		MARAKWET WEST	111,401,725	21	
				418,417,782	80
EMBU	79	MANYATTA	98,606,572	19	

County	Estimated Transformers to be Connected	Constituency	CDF DISTRIBUTION IN KES	Transformer Distribution Per Constituency
		MBEERE NORTH	104,723,492	20
		MBEERE SOUTH	110,263,571	21
		RUNYENJES	99,196,789	19
			412,790,424	79
GARISSA	76	BALAMBALA	105,934,708	12
		DADAAB	123,734,492	14
		FAFI	108,112,906	13
		GARISSA TOWNSHIP	93,480,753	11
		IJARA	107,707,417	13
		LAGDERA	110,952,346	13
			649,922,622	76
HOMA BAY	98	HOMA BAY TOWN	103,139,640	11
		KABONDO KASIPUL	107,549,481	12
		KARACHUONYO	115,696,045	13
		KASIPUL	107,763,163	12
		MBITA	103,593,893	12
		NDHIWA	121,803,350	14
		RANGWE	103,978,163	12
		SUBA	107,113,665	12
			870,637,400	98
ISIOLO	22	ISIOLO NORTH	110,046,058	12
		ISIOLO SOUTH	98,355,609	10
			208,401,667	22
KAJIADO	169	KAJIADO CENTRAL	106,979,912	34
		KAJIADO EAST	100,430,316	32
		KAJIADO NORTH	98,758,692	32
		KAJIADO SOUTH	113,679,933	36
		KAJIADO WEST	110,981,202	35
			530,830,055	169
KAKAMEGA	169	BUTERE	114,974,444	14
		IKOLOMANI	107,795,950	13
		KHWISERO	110,179,332	14
		LIKUYANI	112,085,061	14
		LUGARI	121,742,485	15
		LURAMBI	104,002,833	13
		MALAVA	127,712,804	16
		MATUNGU	116,967,757	15

County	Estimated Transformers to be Connected	Constituency	CDF DISTRIBUTION IN KES	Transformer Distribution Per Constituency
		MUMIAS EAST	105,077,562	13
		MUMIAS WEST	101,173,942	13
		NAVAKHOLO	113,974,829	14
		SHINYALU	121,464,271	15
			1,357,151,270	169
KERICHO	124	AINAMOI	99,775,319	20
		BELGUT	102,442,020	20
		BURETI	114,878,214	23
		KIPKELION EAST	103,497,573	20
		KIPKELION WEST	103,971,867	21
		SIGOWET/SOIN	104,276,993	20
			628,841,986	124
KIAMBU	315	GATUNDU NORTH	97,075,112	26
		GATUNDU SOUTH	96,416,506	26
		GITHUNGURI	95,078,924	26
		JUJA	93,900,816	25
		KABETE	96,092,391	26
		KIAMBAA	95,661,010	26
		KIAMBU	93,734,828	25
		KIKUYU	98,025,521	26
		LARI	99,451,687	27
		LIMURU	102,759,987	28
		RUIRU	101,238,767	27
		THIKA TOWN	101,647,376	27
			1,171,082,925	315
KILIFI	76	GANZE	133,125,762	12
		KALOLENI	120,901,359	11
		KILIFI NORTH	132,706,153	12
		KILIFI SOUTH	112,736,282	10
		MAGARINI	149,016,755	13
		MALINDI	118,919,225	10
		RABAI	99,898,256	8
			867,303,792	76
KIRINYAGA	35	GICHUGU	95,823,468	9
		KIRINYAGA CENTRAL	95,118,540	8
		MWEA	107,585,256	10
		NDIA	94,453,861	8

County	Estimated Transformers to be Connected	Constituency	CDF DISTRIBUTION IN KES	Transformer Distribution Per Constituency
			392,981,125	35
KISII	85	BOBASI	128,205,784	11
		BOMACHOGE BORABU	109,840,338	9
		BOMACHOGE CHACHE	104,204,529	9
		BONCHARI	107,474,902	9
		KITUTU CHACHE NORTH	112,094,781	9
		KITUTU CHACHE SOUTH	105,737,617	9
		NYARIBARI CHACHE	110,614,299	9
		NYARIBARI MASABA	110,968,581	10
		SOUTH MUGIRANGO	119,890,426	10
			1,009,031,257	85
KISUMU	200	KISUMU CENTRAL	89,699,706	24
		KISUMU EAST	109,266,625	29
		KISUMU WEST	109,650,020	29
		MUHORONI	110,994,169	30
		NYAKACH	110,311,610	30
		NYANDO	112,532,435	31
		SEME	102,136,525	27
			744,591,090	200
KITUI	155	KITUI CENTRAL	110,276,673	18
		KITUI EAST	122,927,760	21
		KITUI RURAL	106,317,057	18
		KITUI SOUTH	137,344,836	23
		KITUI WEST	95,120,567	16
		MWINGI CENTRAL	122,597,369	20
		MWINGI NORTH	133,182,398	22
		MWINGI WEST	105,313,635	17
			933,080,295	155
KWALE	60	KINANGO	160,757,031	18
		LUNGALUNGA	137,602,963	15
		MATUGA	121,321,937	14
		MSAMBWENI	114,822,943	13
			534,504,874	60
LAIKIPIA	119	LAIKIPIA EAST	102,484,668	37
		LAIKIPIA NORTH	105,392,828	38
		LAIKIPIA WEST	125,426,280	44

County	Estimated Transformers to be Connected	Constituency	CDF DISTRIBUTION IN KES	Transformer Distribution Per Constituency
			333,303,776	119
LAMU	12	LAMU EAST	85,230,425	6
		LAMU WEST	95,559,733	6
			180,790,158	12
MACHAKOS	148	KANGUNDO	103,283,793	18
		KATHIANI	97,248,348	17
		MACHAKOS TOWN	113,395,549	19
		MASINGA	117,128,054	20
		MATUNGULU	110,510,251	19
		MAVOKO	97,186,707	16
		MWALA	114,203,146	19
		YATTA	118,211,844	20
			871,167,692	148
MAKUENI	214	KAITI	108,556,412	31
		KIBWEZI EAST	126,996,514	37
		KIBWEZI WEST	130,062,705	38
		KILOME	99,744,252	29
		MAKUENI	143,385,068	42
		MBOONI	126,065,670	37
			734,810,621	214
MANDERA	28	BANISSA	143,284,792	4
		LAFEY	141,030,998	4
		MANDERA EAST	123,887,894	4
		MANDERA NORTH	148,444,084	5
		MANDERA SOUTH	182,930,270	6
		MANDERA WEST	144,267,965	5
			883,846,003	28
MARSABIT	59	LAISAMIS	106,742,285	15
		MOYALE	118,820,188	16
		NORTH HERR	108,938,398	15
		SAKU	95,198,754	13
			429,699,625	59
MERU	96	BUURI	99,474,849	10
		CENTRAL IMENTI	95,282,916	10
		IGEMBE CENTRAL	111,424,946	12
		IGEMBE NORTH	117,089,795	12
		IGEMBE SOUTH	105,399,984	11

County	Estimated Transformers to be Connected	Constituency	CDF DISTRIBUTION IN KES	Transformer Distribution Per Constituency
		NORTH IMENTI	95,970,233	10
		SOUTH IMENTI	99,730,120	10
		TIGANIA EAST	110,356,584	11
		TIGANIA WEST	98,707,396	10
			<b>933,436,823</b>	<b>96</b>
<b>MIGORI</b>	<b>124</b>	AWENDO	102,020,193	15
		KURIA EAST	104,626,645	15
		KURIA WEST	125,735,678	18
		NYATIKE	110,843,280	16
		RONGO	100,395,557	14
		SUNA EAST	106,409,274	15
		SUNA WEST	105,189,607	15
		URIRI	110,341,668	16
			<b>865,561,902</b>	<b>124</b>
<b>MOMBASA</b>	<b>57</b>	CHANGAMWE	92,849,012	9
		JOMVU	91,199,962	9
		KISAUNI	98,969,680	10
		LIKONI	94,894,701	10
		MVITA	92,487,081	9
		NYALI	96,446,159	10
			<b>566,846,595</b>	<b>57</b>
<b>MURANG'A</b>	<b>93</b>	GATANGA	106,957,779	14
		KANDARA	106,753,947	14
		KANGEMA	91,982,659	12
		KIGUMO	101,614,978	13
		KIHARU	109,461,096	14
		MARAGWA	109,584,890	14
		MATHIOYA	93,689,444	12
			<b>720,044,793</b>	<b>93</b>
<b>NAIROBI</b>	<b>195</b>	DAGORETTI NORTH	92,489,538	12
		DAGORETTI SOUTH	91,134,504	12
		EMBAKASI CENTRAL	87,514,309	11
		EMBAKASI EAST	88,586,135	11
		EMBAKASI NORTH	91,928,589	12
		EMBAKASI SOUTH	93,715,211	12
		EMBAKASI WEST	86,559,518	11
		KAMUKUNJI	89,815,978	11

County	Estimated Transformers to be Connected	Constituency	CDF DISTRIBUTION IN KES	Transformer Distribution Per Constituency
		KASARANI	90,906,951	11
		KIBRA	96,876,627	12
		LANGATA	89,714,432	11
		MAKADARA	87,485,520	11
		MATHARE	97,809,625	12
		ROYSAMBU	93,192,688	11
		RUARAKA	96,478,805	12
		STAREHE	88,826,231	11
		WESTLANDS	92,531,090	12
			<b>1,555,565,751</b>	<b>195</b>
NAKURU	309	BAHATI	104,028,286	28
		GILGIL	105,445,561	29
		KURESOI NORTH	106,518,234	29
		KURESOI SOUTH	107,136,238	29
		MOLO	97,426,895	27
		NAIVASHA	114,816,135	31
		NAKURU TOWN EAST	90,524,311	25
		NAKURU TOWN WEST	89,704,944	24
		NJORO	114,064,786	31
		RONGAI	104,526,276	28
		SUBUKIA	100,885,980	28
			<b>1,135,077,646</b>	<b>309</b>
NANDI	111	ALDAI	111,610,126	19
		CHESUMEI	101,658,679	18
		EMGWEN	100,838,128	18
		MOSOP	107,902,154	19
		NANDI HILLS	100,201,542	18
		TINDERET	109,079,884	19
			<b>631,290,513</b>	<b>111</b>
NAROK	197	EMURUA DIKIRR	103,749,737	32
		KILGORIS	117,026,832	35
		NAROK EAST	97,203,728	29
		NAROK NORTH	105,712,757	32
		NAROK SOUTH	118,505,322	36
		NAROK WEST	110,248,624	33
			<b>652,447,000</b>	<b>197</b>
NYAMIRA	166	BORABU	108,978,086	39

County	Estimated Transformers to be Connected	Constituency	CDF DISTRIBUTION IN KES	Transformer Distribution Per Constituency
		KITUTU MASABA	127,019,718	45
		NORTH MUGIRANGO	110,448,783	39
		WEST MUGIRANGO	119,760,046	43
			466,206,633	166
NYANDARUA	168	KINANGOP	116,203,342	38
		KIPIPIRI	102,502,756	33
		NDARAGWA	96,727,658	31
		OL JOROK	97,741,920	32
		OL KALOU	104,586,548	34
			517,762,224	168
NYERI	66	KIENI	104,235,424	12
		MATHIRA	99,718,745	11
		MUKURWEINI	95,879,390	11
		NYERI TOWN	89,761,514	10
		OTHAYA	93,969,589	11
		TETU	92,327,623	11
			575,892,285	66
SAMBURU	43	SAMBURU EAST	101,833,969	13
		SAMBURU NORTH	108,705,847	15
		SAMBURU WEST	109,264,424	15
			319,804,240	43
SIAYA	184	ALEGO USONGA	115,961,475	33
		BONDO	106,620,021	31
		GEM	114,253,151	33
		RARIEDA	101,768,910	29
		UGENYA	102,726,454	30
		UGUNJA	99,213,023	28
			640,543,034	184
TAITA TAVETA	94	MWATATE	98,536,236	23
		TAVETA	100,485,997	24
		VOI	99,972,618	24
		WUNDANYI	96,700,160	23
			395,695,011	94
TANA RIVER	29	BURA	110,615,476	10
		GALOLE	103,119,615	9
		GARSEN	115,610,656	10
			329,345,747	29

County	Estimated Transformers to be Connected	Constituency	CDF DISTRIBUTION IN KES	Transformer Distribution Per Constituency
THARAKA - NITHI	65	CHUKA/IGAMBANG'OM	100,708,800	21
		MAARA	94,139,056	19
		THARAKA	120,436,795	25
			315,284,651	65
TRANS NZOIA	98	CHERANGANY	120,013,783	21
		ENDEBESS	101,846,313	18
		KIMININI	116,691,994	20
		KWANZA	117,130,692	20
		SABOTI	108,320,233	19
			564,003,015	98
TURKANA	40	LOIMA	131,345,010	6
		TURKANA CENTRAL	129,090,909	6
		TURKANA EAST	120,217,483	6
		TURKANA NORTH	141,468,751	7
		TURKANA SOUTH	135,589,471	7
		TURKANA WEST	169,895,727	8
			827,607,351	40
UASIN GISHU	93	AINABKOI	99,761,627	15
		KAPSERET	96,754,103	14
		KESSES	103,992,333	15
		MOIBEN	106,406,516	16
		SOY	113,971,178	17
		TURBO	111,261,514	16
			632,147,271	93
VIHIGA	121	EMUHAYA	103,580,130	24
		HAMISI	116,282,986	27
		LUANDA	99,184,197	24
		SABATIA	95,976,968	23
		VIHIGA	95,638,949	23
			510,663,230	121
WAJIR	36	ELDAS	114,571,617	5
		TARBAJ	124,944,680	6
		WAJIR EAST	121,884,921	6
		WAJIR NORTH	134,925,630	7
		WAJIR SOUTH	127,988,112	6
		WAJIR WEST	117,400,993	6
			741,715,953	36

County	Estimated Transformers to be Connected	Constituency	CDF DISTRIBUTION IN KES	Transformer Distribution Per Constituency
WEST POKOT	117	KACHELIBA	136,319,599	33
		KAPENGURIA	118,715,063	29
		POKOT SOUTH	119,664,268	29
		SIGOR	108,528,920	26
			483,227,850	117
	5320		31,564,500,005	5320

PROPOSED SELECTION CRITERIA FOR UPCOMING LAST MILE PROJECT

It is proposed that only the CDF formula should be used for allocation transformers to be maximized. This should be applied retrospectively to correct allocations under phase 1.

Using this criterion the allocations will be as in the following table.

County	Constituency	CDF DISTRIBUTION IN KES	Transformer Allocated in phase 1	Total Allocation for Phase 1&2	Proposed Allocation for phase 2	Proposed Allocation in Kshs for Ph1 & 2
BARINGO	BARINGO NORTH	107,698,794	36	36	0	106,555,299
	BARINGO CENTRAL	100,022,188	33	34	1	98,960,200
	BARINGO SOUTH	101,554,917	34	34	0	100,476,655
	ELDAMA RAVINE	96,609,709	32	33	1	95,583,953
	MOGOTIO	94,891,553	31	32	1	93,884,039
	TIATY	125,857,628	41	42	1	124,521,331
			626,634,789	207	211	4
BOMET	BOMET CENTRAL	109,447,189	12	37	25	108,285,131
	BOMET EAST	112,764,510	13	38	25	111,567,230
	CHEPALUNGU	126,794,246	14	43	29	125,448,005
	KONOIN	110,932,946	12	37	25	109,755,113
	SOTIK	120,682,749	14	41	27	119,401,397
			580,621,640	65	196	131
BUNGOMA	BUMULA	122,876,196	17	41	24	121,571,555
	KABUCHAI	114,365,633	16	39	23	113,151,353
	KANDUYI	130,895,711	18	44	26	129,505,922
	KIMILILI	97,006,533	13	33	20	95,976,564
	MT.ELGON	127,094,118	18	43	25	125,744,693
	SIRISIA	107,308,794	15	36	21	106,169,440
	TONGAREN	121,526,910	17	41	24	120,236,595
	WEBUYE EAST	102,442,954	14	35	21	101,355,263

County	Constituency	CDF DISTRIBUTION IN KES	Transformer Allocated in phase 1	Total Allocation for Phase 1&2	Proposed Allocation for phase 2	Proposed Allocation in Kshs for Ph1 & 2
	WEBUYE WEST	110,957,173	15	37	22	109,779,082
		1,034,474,022	143	349	206	1,023,490,467
BUSIA	BUDALANGI	102,244,621	11	34	23	101,159,036
	BUTULA	117,998,526	12	40	28	116,745,674
	FUNYULA	108,830,012	11	37	26	107,674,507
	MATAYOS	110,883,290	11	37	26	109,705,984
	NAMBALE	107,844,002	11	36	25	106,698,966
	TESO NORTH	112,868,928	12	38	26	111,670,539
	TESO SOUTH	118,744,218	12	40	28	117,483,448
		779,413,597	80	263	183	771,138,153
ELGEYO/MARAKWET	KEIYO NORTH	94,118,870	18	32	14	93,119,560
	KEIYO SOUTH	107,592,002	21	36	15	106,449,641
	MARAKWET EAST	105,305,185	20	35	15	104,187,104
	MARAKWET WEST	111,401,725	21	38	17	110,218,914
		418,417,782	80	141	61	413,975,220
EMBU	MANYATTA	98,606,572	19	33	14	97,559,614
	MBEERE NORTH	104,723,492	20	35	15	103,611,588
	MBEERE SOUTH	110,263,571	21	37	16	109,092,845
	RUNYENJES	99,196,789	19	33	14	98,143,565
		412,790,424	79	139	60	408,407,611
GARISSA	BALAMBALA	105,934,708	12	36	24	104,809,944
	DADAAB	123,734,492	14	42	28	122,420,738
	FAFI	108,112,906	13	36	23	106,965,014
	GARISSA	93,480,753	11	32	21	

County	Constituency	CDF DISTRIBUTION IN KES	Transformer Allocated in phase 1	Total Allocation for Phase 1&2	Proposed Allocation for phase 2	Proposed Allocation in Kshs for Ph1 & 2
	TOWNSHIP					92,488,219
	IJARA	107,707,417	13	36	23	106,563,831
	LAGDERA	110,952,346	13	37	24	109,774,307
		649,922,622	76	219	143	643,022,052
HOMA BAY	HOMA BAY TOWN	103,139,640	11	35	24	102,044,552
	KABONDO KASIPUL	107,549,481	12	36	24	106,407,572
	KARACHUONYO	115,696,045	13	39	26	114,467,639
	KASIPUL	107,763,163	12	36	24	106,618,985
	MBITA	103,593,893	12	35	23	102,493,982
	NDHIWA	121,803,350	14	41	27	120,510,100
	RANGWE	103,978,163	12	35	23	102,874,172
	SUBA	107,113,665	12	36	24	105,976,383
		870,637,400	98	293	195	861,393,385
ISIOLO	ISIOLO NORTH	110,046,058	12	37	25	108,877,641
	ISIOLO SOUTH	98,355,609	10	33	23	97,311,316
		208,401,667	22	70	48	206,188,957
KAJIADO	KAJIADO CENTRAL	106,979,912	34	36	2	105,844,050
	KAJIADO EAST	100,430,316	32	34	2	99,363,995
	KAJIADO NORTH	98,758,692	32	33	1	97,710,119
	KAJIADO SOUTH	113,679,933	36	38	2	112,472,933
	KAJIADO WEST	110,981,202	35	37	2	109,802,856
		530,830,055	169	179	10	525,193,953
KAKAMEGA	BUTERE	114,974,444	14	39	25	113,753,700
	IKOLOMANI	107,795,950	13	36	23	106,651,424

County	Constituency	CDF DISTRIBUTION IN KES	Transformer Allocated in phase 1	Total Allocation for Phase 1&2	Proposed Allocation for phase 2	Proposed Allocation in Kshs for Ph1 & 2
	KHWISERO	110,179,332	14	37	23	109,009,500
	LIKUYANI	112,085,061	14	38	24	110,894,995
	LUGARI	121,742,485	15	41	26	120,449,881
	LURAMBI	104,002,833	13	35	22	102,898,580
	MALAVA	127,712,804	16	43	27	126,356,810
	MATUNGU	116,967,757	15	39	24	115,725,849
	MUMIAS EAST	105,077,562	13	35	22	103,961,898
	MUMIAS WEST	101,173,942	13	34	21	100,099,725
	NAVAKHOLO	113,974,829	14	38	24	112,764,698
	SHINYALU	121,464,271	15	41	26	120,174,621
		1,357,151,270	169	457	288	1,342,741,681
KERICHO	AINAMOI	99,775,319	20	34	14	98,715,952
	BELGUT	102,442,020	20	35	15	101,354,339
	BURETI	114,878,214	23	39	16	113,658,492
	KIPKELION EAST	103,497,573	20	35	15	102,398,685
	KIPKELION WEST	103,971,867	21	35	14	102,867,943
	SIGOWET/SOIN	104,276,993	20	35	15	103,169,829
		628,841,986	124	212	88	622,165,240
KIAMBU	GATUNDU NORTH	97,075,112	26	33	7	96,044,414
	GATUNDU SOUTH	96,416,506	26	33	7	95,392,801
	GITHUNGURI	95,078,924	26	32	6	94,069,421
	JUJA	93,900,816	25	32	7	92,903,822
	KABETE	96,092,391	26	32	6	95,072,128
	KIAMBAA	95,661,010	26	32	6	

County	Constituency	CDF DISTRIBUTION IN KES	Transformer Allocated in phase 1	Total Allocation for Phase 1&2	Proposed Allocation for phase 2	Proposed Allocation in Kshs for Ph1 & 2
						94,645,327
	KIAMBU	93,734,828	25	32	7	92,739,596
	KIKUYU	98,025,521	26	33	7	96,984,732
	LARI	99,451,687	27	34	7	98,395,756
	LIMURU	102,759,987	28	35	7	101,668,930
	RUIRU	101,238,767	27	34	7	100,163,862
	THIKA TOWN	101,647,376	27	34	7	100,568,132
		1,171,082,925	315	395	80	1,158,648,922
KILIFI	GANZE	133,125,762	12	45	33	131,712,296
	KALOLENI	120,901,359	11	41	30	119,617,686
	KILIFI NORTH	132,706,153	12	45	33	131,297,142
	KILIFI SOUTH	112,736,282	10	38	28	111,539,302
	MAGARINI	149,016,755	13	50	37	147,434,566
	MALINDI	118,919,225	10	40	30	117,656,597
	RABAI	99,898,256	8	34	26	98,837,584
		867,303,792	76	292	216	858,095,172
KIRINYAGA	GICHUGU	95,823,468	9	32	23	94,806,060
	KIRINYAGA CENTRAL	95,118,540	8	32	24	94,108,616
	MWEA	107,585,256	10	36	26	106,442,967
	NDIA	94,453,861	8	32	24	93,450,995
		392,981,125	35	132	97	388,808,638
KISII	BOBASI	128,205,784	11	43	32	126,844,556
	BOMACHOGE BORABU	109,840,338	9	37	28	108,674,105
	BOMACHOGE CHACHE	104,204,529	9	35	26	103,098,135

County	Constituency	CDF DISTRIBUTION IN KES	Transformer Allocated in phase 1	Total Allocation for Phase 1&2	Proposed Allocation for phase 2	Proposed Allocation in Kshs for Ph 1 & 2
	BONCHARI	107,474,902	9	36	27	106,333,784
	KITUTU CHACHE NORTH	112,094,781	9	38	29	110,904,612
	KITUTU CHACHE SOUTH	105,737,617	9	36	27	104,614,945
	NYARIBARI CHACHE	110,614,299	9	37	28	109,439,849
	NYARIBARI MASABA	110,968,581	10	37	27	109,790,369
	SOUTH MUGIRANGO	119,890,426	10	40	30	118,617,486
		1,009,031,257	85	340	255	998,317,842
KISUMU	KISUMU CENTRAL	89,699,706	24	30	6	88,747,317
	KISUMU EAST	109,266,625	29	37	8	108,106,484
	KISUMU WEST	109,650,020	29	37	8	108,485,808
	MUHORONI	110,994,169	30	37	7	109,815,686
	NYAKACH	110,311,610	30	37	7	109,140,374
	NYANDO	112,532,435	31	38	7	111,337,619
	SEME	102,136,525	27	34	7	101,052,088
		744,591,090	200	251	51	736,685,375
KITUI	KITUI CENTRAL	110,276,673	18	37	19	109,105,808
	KITUI EAST	122,927,760	21	41	20	121,622,571
	KITUI RURAL	106,317,057	18	36	18	105,188,233
	KITUI SOUTH	137,344,836	23	46	23	135,886,574
	KITUI WEST	95,120,567	16	32	16	94,110,622
	MWINGI CENTRAL	122,597,369	20	41	21	121,295,688
	MWINGI NORTH	133,182,398	22	45	23	131,768,330
	MWINGI WEST	105,313,635	17	35	18	104,195,465

County	Constituency	CDF DISTRIBUTION IN KES	Transformer Allocated in phase 1	Total Allocation for Phase 1&2	Proposed Allocation for phase 2	Proposed Allocation in Kshs for Ph1 & 2
		933,080,295	155	315	160	923,173,291
KWALE	KINANGO	160,757,031	18	54	36	159,050,189
	LUNGALUNGA	137,602,963	15	46	31	136,141,960
	MATUGA	121,321,937	14	41	27	120,033,798
	MSAMBWENI	114,822,943	13	39	26	113,603,807
		534,504,874	60	180	120	528,829,755
LAIKIPIA	LAIKIPIA EAST	102,484,668	37	35	-2	101,396,534
	LAIKIPIA NORTH	105,392,828	38	36	-2	104,273,817
	LAIKIPIA WEST	125,426,280	44	42	-2	124,094,563
		333,303,776	119	112	-7	329,764,915
LAMU	LAMU EAST	85,230,425	6	29	23	84,325,489
	LAMU WEST	95,559,733	6	32	26	94,545,125
		180,790,158	12	61	49	178,870,614
MACHAKOS	KANGUNDO	103,283,793	18	35	17	102,187,175
	KATHIANI	97,248,348	17	33	16	96,215,811
	MACHAKOS TOWN	113,395,549	19	38	19	112,191,569
	MASINGA	117,128,054	20	39	19	115,884,444
	MATUNGULU	110,510,251	19	37	18	109,336,906
	MAVOKO	97,186,707	16	33	17	96,154,825
	MWALA	114,203,146	19	38	19	112,990,591
	YATTA	118,211,844	20	40	20	116,956,727
		871,167,692	148	294	146	861,918,047
MAKUENI	KAITI	108,556,412	31	37	6	107,403,811
	KIBWEZI EAST	126,996,514	37	43	6	

County	Constituency	CDF DISTRIBUTION IN KES	Transformer Allocated in phase 1	Total Allocation for Phase 1&2	Proposed Allocation for phase 2	Proposed Allocation in Kshs for Ph1 & 2
						125,648,125
	KIBWEZI WEST	130,062,705	38	44	6	128,681,761
	KILOME	99,744,252	29	34	5	98,685,215
	MAKUENI	143,385,068	42	48	6	141,862,673
	MBOONI	126,065,670	37	42	5	124,727,164
		734,810,621	214	248	34	727,008,750
<b>MANDERA</b>	BANISSA	143,284,792	4	48	44	141,763,462
	LAFEY	141,030,998	4	48	44	139,533,598
	MANDERA EAST	123,887,894	4	42	38	122,572,511
	MANDERA NORTH	148,444,084	5	50	45	146,867,975
	MANDERA SOUTH	182,930,270	6	62	56	180,988,003
	MANDERA WEST	144,267,965	5	49	44	142,736,196
		883,846,003	28	298	270	874,461,745
<b>MARSABIT</b>	LAISAMIS	106,742,285	15	36	21	105,608,946
	MOYALE	118,820,188	16	40	24	117,558,612
	NORTH HERR	108,938,398	15	37	22	107,781,742
	SAKU	95,198,754	13	32	19	94,187,979
		429,699,625	59	145	86	425,137,278
<b>MERU</b>	BUURI	99,474,849	10	34	24	98,418,672
	CENTRAL IMENTI	95,282,916	10	32	22	94,271,247
	IGEMBE CENTRAL	111,424,946	12	38	26	110,241,889
	IGEMBE NORTH	117,089,795	12	39	27	115,846,591
	IGEMBE SOUTH	105,399,984	11	36	25	104,280,897
	NORTH IMENTI	95,970,233	10	32	22	94,951,267

County	Constituency	CDF DISTRIBUTION IN KES	Transformer Allocated in phase 1	Total Allocation for Phase 1&2	Proposed Allocation for phase 2	Proposed Allocation in Kshs for Ph1 & 2
	SOUTH IMENTI	99,730,120	10	34	24	98,671,233
	TIGANIA EAST	110,356,584	11	37	26	109,184,870
	TIGANIA WEST	98,707,396	10	33	23	97,659,368
		<b>933,436,823</b>	<b>96</b>	<b>315</b>	<b>219</b>	<b>923,526,033</b>
<b>MIGORI</b>	AWENDO	102,020,193	15	34	19	100,936,991
	KURIA EAST	104,626,645	15	35	20	103,515,769
	KURIA WEST	125,735,678	18	42	24	124,400,676
	NYATIKE	110,843,280	16	37	21	109,666,399
	RONGO	100,395,557	14	34	20	99,329,605
	SUNA EAST	106,409,274	15	36	21	105,279,471
	SUNA WEST	105,189,607	15	35	20	104,072,754
	URIRI	110,341,668	16	37	21	109,170,112
		<b>865,561,902</b>	<b>124</b>	<b>292</b>	<b>168</b>	<b>856,371,776</b>
<b>MOMBASA</b>	CHANGAMWE	92,849,012	9	31	22	91,863,185
	JOMVU	91,199,962	9	31	22	90,231,644
	KISAUNI	98,969,680	10	33	23	97,918,867
	LIKONI	94,894,701	10	32	22	93,887,154
	MVITA	92,487,081	9	31	22	91,505,097
	NYALI	96,446,159	10	33	23	95,422,139
		<b>566,846,595</b>	<b>57</b>	<b>191</b>	<b>134</b>	<b>560,828,087</b>
<b>MURANG'A</b>	GATANGA	106,957,779	14	36	22	105,822,152
	KANDARA	106,753,947	14	36	22	105,620,484
	KANGEMA	91,982,659	12	31	19	91,006,031
	KIGUMO	101,614,978	13	34	21	100,536,078

County	Constituency	CDF DISTRIBUTION IN KES	Transformer Allocated in phase 1	Total Allocation for Phase 1&2	Proposed Allocation for phase 2	Proposed Allocation in Kshs for Ph1 & 2
	KIHARU	109,461,096	14	37	23	108,298,890
	MARAGWA	109,584,890	14	37	23	108,421,370
	MATHIOYA	93,689,444	12	32	20	92,694,694
		720,044,793	93	243	150	712,399,699
NAIROBI	DAGORETTI NORTH	92,489,538	12	31	19	91,507,528
	DAGORETTI SOUTH	91,134,504	12	31	19	90,166,881
	EMBAKASI CENTRAL	87,514,309	11	29	18	86,585,124
	EMBAKASI EAST	88,586,135	11	30	19	87,645,569
	EMBAKASI NORTH	91,928,589	12	31	19	90,952,535
	EMBAKASI SOUTH	93,715,211	12	32	20	92,720,187
	EMBAKASI WEST	86,559,518	11	29	18	85,640,470
	KAMUKUNJI	89,815,978	11	30	19	88,862,355
	KASARANI	90,906,951	11	31	20	89,941,744
	KIBRA	96,876,627	12	33	21	95,848,037
	LANGATA	89,714,432	11	30	19	88,761,887
	MAKADARA	87,485,520	11	29	18	86,556,640
	MATHARE	97,809,625	12	33	21	96,771,129
	ROYSAMBU	93,192,688	11	31	20	92,203,212
	RUARAKA	96,478,805	12	33	21	95,454,439
	STAREHE	88,826,231	11	30	19	87,883,116
	WESTLANDS	92,531,090	12	31	19	91,548,639
		1,555,565,751	195	524	329	1,539,049,491
NAKURU	BAHATI	104,028,286	28	35	7	102,923,763

County	Constituency	CDF DISTRIBUTION IN KES	Transformer Allocated in phase 1	Total Allocation for Phase 1&2	Proposed Allocation for phase 2	Proposed Allocation in Kshs for Ph1 & 2
	GILGIL	105,445,561	29	36	7	104,325,990
	KURESOI NORTH	106,518,234	29	36	7	105,387,274
	KURESOI SOUTH	107,136,238	29	36	7	105,998,716
	MOLO	97,426,895	27	33	6	96,392,462
	NAIVASHA	114,816,135	31	39	8	113,597,072
	NAKURU TOWN EAST	90,524,311	25	31	6	89,563,167
	NAKURU TOWN WEST	89,704,944	24	30	6	88,752,499
	NJORO	114,064,786	31	38	7	112,853,700
	RONGAI	104,526,276	28	35	7	103,416,466
	SUBUKIA	100,885,980	28	34	6	99,814,821
		1,135,077,646	309	383	74	1,123,025,930
NANDI	ALDAI	111,610,126	19	38	19	110,425,103
	CHESUMEI	101,658,679	18	34	16	100,579,315
	EMGWEN	100,838,128	18	34	16	99,767,477
	MOSOP	107,902,154	19	36	17	106,756,500
	NANDI HILLS	100,201,542	18	34	16	99,137,650
	TINDERET	109,079,884	19	37	18	107,921,726
		631,290,513	111	213	102	624,587,770
NAROK	EMURUA DIKIRR	103,749,737	32	35	3	102,648,171
	KILGORIS	117,026,832	35	39	4	115,784,297
	NAROK EAST	97,203,728	29	33	4	96,171,665
	NAROK NORTH	105,712,757	32	36	4	104,590,349
	NAROK SOUTH	118,505,322	36	40	4	117,247,089
	NAROK WEST	110,248,624	33	37	4	

County	Constituency	CDF DISTRIBUTION IN KES	Transformer Allocated in phase 1	Total Allocation for Phase 1&2	Proposed Allocation for phase 2	Proposed Allocation in Kshs for Ph1 & 2
						109,078,056
		652,447,000	197	220	23	645,519,627
NYAMIRA	BORABU	108,978,086	39	37	-2	107,821,008
	KITUTU MASABA	127,019,718	45	43	-2	125,671,083
	NORTH MUGIRANGO	110,448,783	39	37	-2	109,276,090
	WEST MUGIRANGO	119,760,046	43	40	-3	118,488,491
		466,206,633	166	157	-9	461,256,672
NYANDARU A	KINANGOP	116,203,342	38	39	1	114,969,550
	KIPIPIRI	102,502,756	33	35	2	101,414,430
	NDARAGWA	96,727,658	31	33	2	95,700,650
	OLJOROK	97,741,920	32	33	1	96,704,143
	OLKALOU	104,586,548	34	35	1	103,476,098
		517,762,224	168	175	7	512,264,870
NYERI	KIENI	104,235,424	12	35	23	103,128,702
	MATHIRA	99,718,745	11	34	23	98,659,979
	MUKURWEINI	95,879,390	11	32	21	94,861,388
	NYERI TOWN	89,761,514	10	30	20	88,808,469
	OTHAYA	93,969,589	11	32	21	92,971,864
	TETU	92,327,623	11	31	20	91,347,332
		575,892,285	66	194	128	569,777,734
SAMBURU	SAMBURU EAST	101,833,969	13	34	21	100,752,744
	SAMBURU NORTH	108,705,847	15	37	22	107,551,660
	SAMBURU WEST	109,264,424	15	37	22	108,104,306
		319,804,240	43	108	65	316,408,710

County	Constituency	CDF DISTRIBUTION IN KES	Transformer Allocated in phase 1	Total Allocation for Phase 1&2	Proposed Allocation for phase 2	Proposed Allocation in Kshs for Ph1 & 2
SIAYA	ALEGO USONGA	115,961,475	33	39	6	114,730,251
	BONDO	106,620,021	31	36	5	105,487,980
	GEM	114,253,151	33	39	6	113,040,065
	RARIEDA	101,768,910	29	34	5	100,688,376
	UGENYA	102,726,454	30	35	5	101,635,753
	UGUNJA	99,213,023	28	33	5	98,159,626
		640,543,034	184	216	32	633,742,052
TAITA TAVETA	MWATATE	98,536,236	23	33	10	97,490,025
	TAVETA	100,485,997	24	34	10	99,419,084
	VOI	99,972,618	24	34	10	98,911,156
	WUNDANYI	96,700,160	23	33	10	95,673,444
		395,695,011	94	133	39	391,493,709
TANA RIVER	BURA	110,615,476	10	37	27	109,441,013
	GALOLE	103,119,615	9	35	26	102,024,740
	GARSEN	115,610,656	10	39	29	114,383,157
		329,345,747	29	111	82	325,848,910
THARAKA - NITHI	CHUKA/IGAMBA NG'OM	100,708,800	21	34	13	99,639,522
	MAARA	94,139,056	19	32	13	93,139,532
	THARAKA	120,436,795	25	41	16	119,158,054
		315,284,651	65	106	41	311,937,108
TRANS NZOIA	CHERANGANY	120,013,783	21	40	19	118,739,534
	ENDEBESS	101,846,313	18	34	16	100,764,957
	KIMININI	116,691,994	20	39	19	115,453,014
	KWANZA	117,130,692	20	39	19	115,887,054

County	Constituency	CDF DISTRIBUTION IN KES	Transformer Allocated in phase 1	Total Allocation for Phase 1&2	Proposed Allocation for phase 2	Proposed Allocation in Kshs for Ph1 & 2
	SABOTI	108,320,233	19	37	18	107,170,140
		564,003,015	98	190	92	558,014,698
TURKANA	LOIMA	131,345,010	6	44	38	129,950,451
	TURKANA CENTRAL	129,090,909	6	44	38	127,720,283
	TURKANA EAST	120,217,483	6	41	35	118,941,071
	TURKANA NORTH	141,468,751	7	48	41	139,966,703
	TURKANA SOUTH	135,589,471	7	46	39	134,149,846
	TURKANA WEST	169,895,727	8	57	49	168,091,855
		827,607,351	40	279	239	818,820,209
UASIN GISHU	AINABKOI	99,761,627	15	34	19	98,702,405
	KAPSERET	96,754,103	14	33	19	95,726,814
	KESSES	103,992,333	15	35	20	102,888,192
	MOIBEN	106,406,516	16	36	20	105,276,742
	SOY	113,971,178	17	38	21	112,761,086
	TURBO	111,261,514	16	38	22	110,080,192
		632,147,271	93	213	120	625,435,431
VIHIGA	EMUHAYA	103,580,130	24	35	11	102,480,365
	HAMISI	116,282,986	27	39	12	115,048,348
	LUANDA	99,184,197	24	33	9	98,131,106
	SABATIA	95,976,968	23	32	9	94,957,930
	VIHIGA	95,638,949	23	32	9	94,623,500
		510,663,230	121	172	51	505,241,250
WAJIR	ELDAS	114,571,617	5	39	34	113,355,150
	TARBAJ	124,944,680	6	42	36	

County	Constituency	CDF DISTRIBUTION IN KES	Transformer Allocated in phase 1	Total Allocation for Phase 1&2	Proposed Allocation for phase 2	Proposed Allocation in Kshs for Ph1 & 2
						123,618,077
	WAJIR EAST	121,884,921	6	41	35	120,590,805
	WAJIR NORTH	134,925,630	7	45	38	133,493,054
	WAJIR SOUTH	127,988,112	6	43	37	126,629,195
	WAJIR WEST	117,400,993	6	40	34	116,154,485
		741,715,953	36	250	214	733,840,765
WEST POKOT	KACHELIBA	136,319,599	33	46	13	134,872,222
	KAPENGURIA	118,715,063	29	40	11	117,454,603
	POKOT SOUTH	119,664,268	29	40	11	118,393,730
	SIGOR	108,528,920	26	37	11	107,376,611
		483,227,850	117	163	46	478,097,166
		31,564,500,005	5,320	10,640	5,320	31,229,363,111